

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



1. Identification of substance/mixture and of the company/undertaking

1.1. Product identifier

Kastanis Efekts universal laundry detergent

UFI: AQ10-G03M-E00R-W7RW

1.2. Relevant identified uses of the mixture

Laundry detergent for automatic machines.

1.3. Details of the supplier of the safety data sheet

Company: JSC „SPODRĪBA”

Address: Dzirnavu 1, Dobele, Latvija

Postal code: LV-3701

Telephone: +371 63722311

Fax: +371 63781717

E-mail, web-site: www.seal.lv ; info@seal.lv

1.4. Emergency contacts

Toxicology and Sepsis Clinic Poisoning and Drug Information Center: +371 67042473 (round the clock)

State Fire and Rescue Service of Latvia: 112

2. Hazards identification

2.1. Classification of the substance or mixture

In accordance with Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2, H319

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3. Other hazards

In accordance with Regulation (EC) No. 1272/2008 [CLP]:

Other hazards are not known if stored and handled as prescribed/indicated.

3. Composition/Information on ingredients

3.1. Substances

Not applicable

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



3.2. Mixtures

Hazardous ingredients:

CAS/EC/ REACH Nr.	Ingredient name	Concentration, %	Classification <i>According to Regulation (EC) No 1272/2008</i>
68891-38-3/ 500-234-8/ 01-2119488639-16-xxxx	Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO)	>3,0<9,0	H315 Skin Irrit. 2 H318 Eye Dam. 1 (Specific concentration limits: H319 Eye Irrit. 2: >5%<10%, H318 Eye Dam. 1: >10%) H412 Aquatic Chronic 3
61789-30-8/ 263-049-9/-	Potassium cocoate	>0,5<3,0	H315 Skin Irrit. 2 H319 Eye Irrit. 2
122-99-6/ 204-589-7/ 603-098-00-9	2-phenoxyethanol	>0,5<1,0	H302 Acute Tox. 4 H319 Eye Irrit. 2

See section 16 for full description of abbreviations

4. First aid measures

4.1. Description of first aid measures

Take of contaminated clothing. Get medical attention if any discomfort continues.

If inhaled: move affected person to fresh air.

Skin contact: rinse with plenty of water and soap.

Eye contact: rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing.

Ingestion: rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the section 2. and/or in the section 11. Other important symptoms and effects are not yet known.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: symptomatic treatment (cleansing, maintenance of body functions).

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, dry powder, foam.

5.2. Special hazards arising from the substance or mixture

Harmful vapours/ fumes/ mist formation. In case of fire, the mentioned substances/ groups of substances may be released.

5.3. Advice for firefighters

More details:

Always wear full fire safety equipment. Collect extinguishing water to prevent it from draining into the sewer system. Dirty extinguishing water must be disposed in accordance with official regulations.

6. Accidental release measures

High risk of slipping due to product leaks/spills.

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

6.2. Environmental precautions

Do not empty into drains/ surface water/ groundwater.

6.3. Methods and material for containment and cleaning up

For small amounts: Collect with suitable absorbent inert material.

For large quantities: Avoid spilling. Pump the product.

Precipitate: Collect with suitable absorbent material.

Dispose of absorbed material in accordance with regulations.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes. If the product is used correctly, no special precautions are needed.

Protection against flames and explosion:

No special precautions are needed.

Do not empty into drains/ surface water/ groundwater.

General hygiene measures:

Do not eat, drink or smoke in the workplace. Use in accordance with good manufacturing hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed warehouse. It is forbidden to store the packaged product together with food or animal feed.

The place where the product is stored must have draft ventilation, a water outlet and a hand-washing device.

Product storage temperature from plus 5°C to plus 30°C.

7.3. Specific end use(s)

For the relevant identified uses listed in section 1, the recommendations in this section 7 should be followed.

8. Exposure controls/ Personal protection

8.1. Control parameters

Ingredients with occupational exposure limits:

No exposure limits known for ingredients.

8.2. Exposure controls

Personal protective equipment:

Respiratory protection: not required.

Hand protection: protective gloves are recommended.

Eye protection: safety glasses with side-shields (safety goggles) (for example, EN 166).

General safety and hygiene measures:

It is recommended to wear closed work clothes. Do not eat, drink or smoke in the workplace. Use in accordance with good manufacturing hygiene and safety practice.

9. physical and chemical properties

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



9.1. Information on basic physical and chemical properties

Physical state: clear homogeneous viscous liquid

Color: pink

Odour: according to the applied perfume composition

Freezing point: below 0°C

Boiling point: no data available

Flammability: not flammable

Lower and upper explosion limit: no data available

Flash point: no data available

Auto-ignition temperature: not self-igniting

Decomposition temperature: no decomposition if stored and handled as prescribed.

pH: 6,5-8,5

Kinematic viscosity, mm²/s: not determined

Water solubility: soluble

Solubility (qualitative) solvent(s): alcohols – no data available

N-octanol/water partition coefficient (log Kow): not applicable

Vapour pressure: no data available

Density and/or relative density: ~1,025 g/cm³ (20 °C)

Relative vapour density (in the air): not determined

Particle characteristic: not applicable

9.2. Other information

If relevant, information on other physical and chemical parameters is given in this section.

10. Stability and reactivity

10.1. Reactivity

No adverse reactions when stored and handled as prescribed/ indicated.

10.2. Chemical stability

The product is stable when stored and moved as directed/ described.

10.3. Possibility of hazardous reactions

No hazardous reactions when stored and handled as prescribed/ indicated.

10.4. Conditions to avoid

See section 7 "Handling and storage" of this MSDS.

10.5. Incompatible materials

Substances to avoid: not known.

10.6. Hazardous decomposition products

Hazardous decomposition products:

No harmful decomposition products known if stored and handled as prescribed/ indicated.

11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The toxicity of the product ingredients:

Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO): LD50 (oral, rat) > 2000-5000 mg/kg (OECD 401), LD50 (dermal, rat) > 2000 mg/kg (OECD 402).

Potassium cocoate: LD50 (oral, rat) > 2000 mg/kg.

2-phenoxyethanol: LD50 (oral, rat) > 300-2000 mg/kg, LD50 (dermal, rabbit) > 5000 mg/kg; inhalation, rat, 8h – no mortality was observed.

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



Skin corrosion/irritation: not irritating.

Serious eye damage/ irritation: causes serious eye irritation.

Respiratory/skin sensitization: not classified as a respiratory/ skin sensitizer.

Microorganism cells mutation: there is no evidence that any of the substances in the product have mutagenic properties.

Carcinogenicity: there is no evidence that any of the substances in the product have carcinogenic properties.

Toxic to reproduction system: based on available data the classification criteria are not met.

Specific target organ toxicity: based on available data the classification criteria are not met.

Aspiration hazard: not expected to be dangerous if inhaled.

12. Ecological information

12.1. Toxicity

Acute ecotoxicity of product ingredients:

Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO): LC50 (fish *Brachydanio rerio*, 96h) > 1-10 mg/l (OECD 203), EC50 (*Daphnia magna*, 48h) > 1-10 mg/l (OECD 202), EC50 (algae *Scenedesmus subspicatus*, 72h) > 10-100 mg/l (OECD 201).

Potassium cocoate: not classified as toxic to aquatic organisms.

2-phenoxyethanol: EC50 (algae *Scenedesmus subspicatus*, 72h): > 100 mg/l (Directive 79/831/EEC, static), EC50 (*Daphnia magna*, 48h): > 100 mg/l (DIN 38412 part 9, static), LC50 (fish *Pimephales promelas*, 96h): > 100 mg/l.

Chronic ecotoxicity of product ingredients:

Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO): NOEC (fish *Oncorhynchus mykiss*, 28d) – > 0,1 - < 1,0 mg/l (OECD 215), NOEC (*Daphnia magna*, 21d) – > 0,1 - < 1,0 mg/l (OECD 211); NOEC (algae *Scenedesmus subspicatus*, 72h) > 0,1 - < 1,0 mg/l (OECD 201).

2-phenoxyethanol: NOEC (fish *Pimephales promelas*, 34d): > 1 mg/l (OECD), NOEC (*Daphnia magna*, 21d): > 1 mg/l (OECD 211).

12.2. Persistence and degradability

The surfactants in the product meet the criteria for biodegradability in accordance with Regulation (EC) No 648/2004.

Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO) (surfactant): readily biodegradable, > 80%, 28 d, aerobic (OECD 301D).

Potassium cocoate (surfactant): easily biodegradable, 88% (OECD 301D).

2-phenoxyethanol: readily biodegradable, > 70% DOC reduction (15d, OECD 301A, aerobic, activated sludge, municipal water). The substance slowly hydrolysed on contact with water.

12.3. Bioaccumulative potential

Assesment of bioaccumulative potential:

Accumulation in organisms is not expected.

12.4. Mobility in soil

Transfer of assessment between environmental sectors:

Alcohols, C12-14, ethoxylated, sulfated, sodium salts (<2,5 EO): highly mobile in soils.

Potassium cocoate: no data.

2-phenoxyethanol: Evaporation: the substance will not evaporate into the atmosphere from water surface.

Adsorption in soil: adsorption to the solid phase is not expected.

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



12.5. Results of PBT and vPvB assessments

This product does not meet the criteria for PBT (persistent, bioaccumulative and toxic substances) or vPvB (very persistent and very bioaccumulative substances) criteria.

12.6. Endocrine disrupting properties

Based on available data, the product does not contain any substances with endocrine disrupting properties.

12.7. Other adverse effect

The product does not contain substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.8. More information

Additional notes on environmental fate and direction:

Processing in biological sewage treatment plants should be performed in accordance with local and administrative regulations.

Other ecotoxicological suggestions:

The product has not been fully tested. This statement is based on data on a similar structure or composition substance/articles.

13. Disposal consideration

13.1. Waste treatment methods

Dispose in accordance with local regulations.

Packaging: if there is separate waste collection, check packaging polymer material type, then place it into recycling container according to packaging polymer type. If there is not separate waste collection, then after rinsing packaging, place it into household waste.

Contaminated packaging: packaging that can not be cleaned must be disposed in the same way as their contents.

Uncontaminated packaging can be reused.

14. Transport information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

No

14.6. Special precautions for user

No

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Must be transported in closed, clean vehicles, protecting from the effect of the external environment in accordance with regulations for the carriage of goods for the relevant mode of transport. It is forbidden to transport product in specialized food transport vehicles.

15. Regulatory information

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 and its subsequent amendments

Date / Revised: December 2021, version 14

Trade name of the product: **Kastanis Efekts**



15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling, packaging.

Regulation (EC) No 648/2004 of the European Parliament and the Council on detergents.

15.2. Chemical safety assessment

Chemical safety of product is not evaluated.

16. Other information

The information provided in this material safety data sheet is based on our current knowledge and experience, and it characterises the product only from the perspective of safety requirements. The data does not characterise the product properties (product specification). Neither any harmonised product property nor product suitability for a particular purpose not excluded from data in this safety data sheet. It is the responsibility of the recipient of the product to ensure full ownership rights and compliance with laws and regulations in force.

Abbreviations:

Eye Dam. 1 – causes serious eye damage, category 1

Eye Irrit. 2 – causes serious eye irritation, category 2

Skin Irrit. 2 – causes skin irritation, category 2

Aquatic Chronic 3 – harmful to aquatic life with long lasting effects, category 3

Acute Tox. 4 (H302) – acute toxicity – harmful if swallowed – category 4

OECD – The Organisation for Economic Co-operation and Development

LD50 – lethal dose to 50% of the test population

LC50 – lethal concentration to 50% of the test population

EC50 – effective concentration to 50% of the test population

NOEC – no observed effect concentration

CLP – Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of substances and mixtures

PBT – persistent, bioaccumulative and toxic substances

vPvB – very persistent and very bioaccumulative substances

UN – The United Nations

IMO – International Maritime Organization

Changes in composition: revised all sections in safety data sheet.